INSTALLATION DESIGN STANDARDS & GUIDE (IDS & IDG)

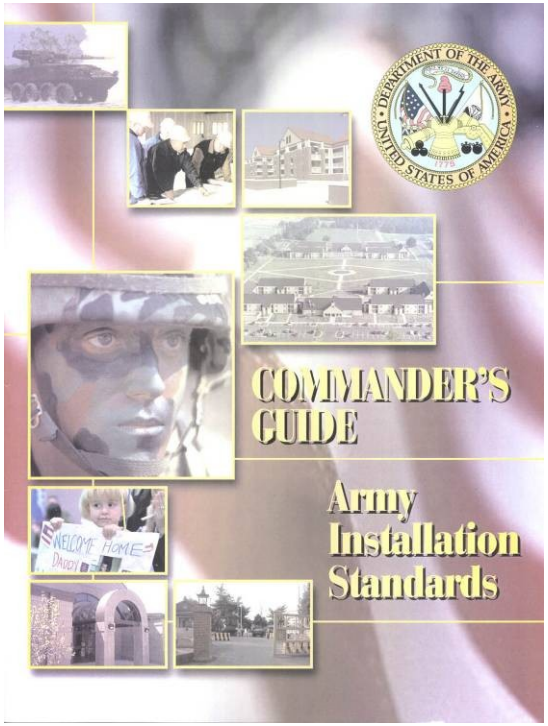
AGENDA

- Overview
- Program Components
- Examples
- Process
- Summary

IDS Background

VCSA approved fielding / implementation 22 April 2003

- ✓ **Defines the Army standards for site planning, buildings, vehicular and pedestrian circulation, landscaping, site elements (i.e., signs, utilities), force protection, and sustainable design.**
- ✓ **Framework for the *Installation Design Guide* (IDG) process**



Army Installation Design Standards (IDS) are The Army Standards

The Standards provide:

- ✓ **Standardization across all of our posts and garrisons.**
- ✓ **Sense of community, order, tradition, and pride.**
- ✓ **Guidance on cost-effective resource investment.**
- ✓ **Sustainability, reliability, and efficiency.**

Source: Commander's Guide to Army Installation Standards 1 October 2002

Commander's Guide - Installation Standards

Features of the Standards

- **Tool to develop Installation Design Guides (IDG)**
- **Requirement under AR 210-20, Real Property Master Planning**
- **Entirely Web enabled**

http://www.mantech-mec.com:8500/army_ids/index.cfm

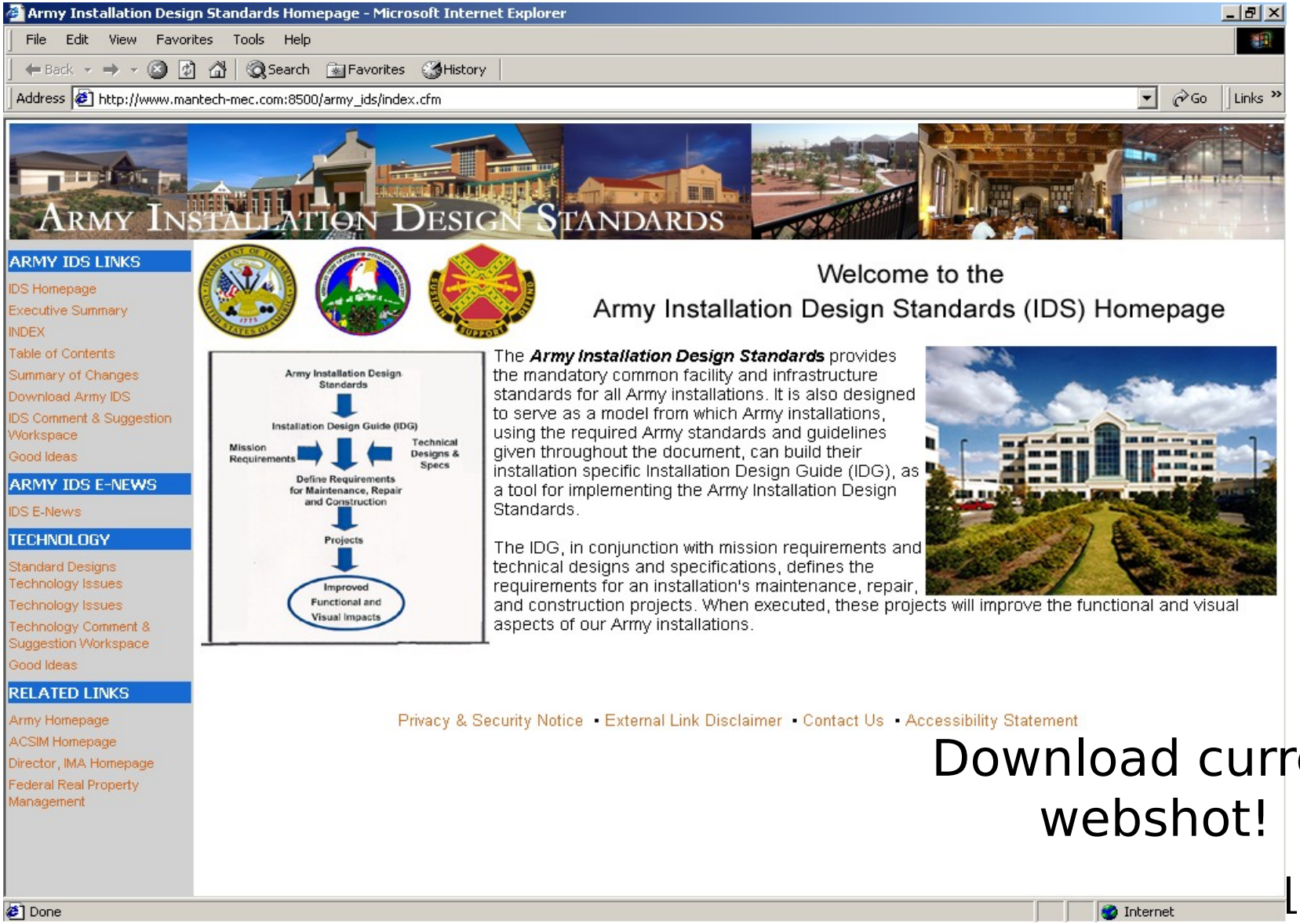
Or reference Tab on ACSIM Home Page

http://www.hqda.army.mil/acsimweb/homepage.shtml

- **Hyperlinked to specific standards ~ a virtual library of all applicable design standards in a single source**

IDS Website

http://www.mantech-mec.com/army_ids/


Army Installation Design Standards Homepage - Microsoft Internet Explorer
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Address http://www.mantech-mec.com:8500/army_ids/index.cfm
Go Links
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Executive Summary
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Good Ideas
ARMY IDS E-NEWS
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RELATED LINKS
Army Homepage
ACSIM Homepage
Director, IMA Homepage
Federal Real Property Management
Welcome to the
Army Installation Design Standards (IDS) Homepage
Army Installation Design Standards
Installation Design Guide (IDG)
Mission Requirements
Technical Designs & Specs
Define Requirements for Maintenance, Repair and Construction
Projects
Improved Functional and Visual Impacts
The Army Installation Design Standards provides the mandatory common facility and infrastructure standards for all Army installations. It is also designed to serve as a model from which Army installations, using the required Army standards and guidelines given throughout the document, can build their installation specific Installation Design Guide (IDG), as a tool for implementing the Army Installation Design Standards.
The IDG, in conjunction with mission requirements and technical designs and specifications, defines the requirements for an installation's maintenance, repair, and construction projects. When executed, these projects will improve the functional and visual aspects of our Army installations.
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Installation Design Guide (IDG)

✓ **Establish installation primary visual zones in IDG that support the Installation RPMP**

✓**Framework for focused planned development**

✓ **IDG compares each visual zone to Army IDS**

✓ **Visual zones should be compatible and contextual with IDG and RPMP land use and zoning plan**

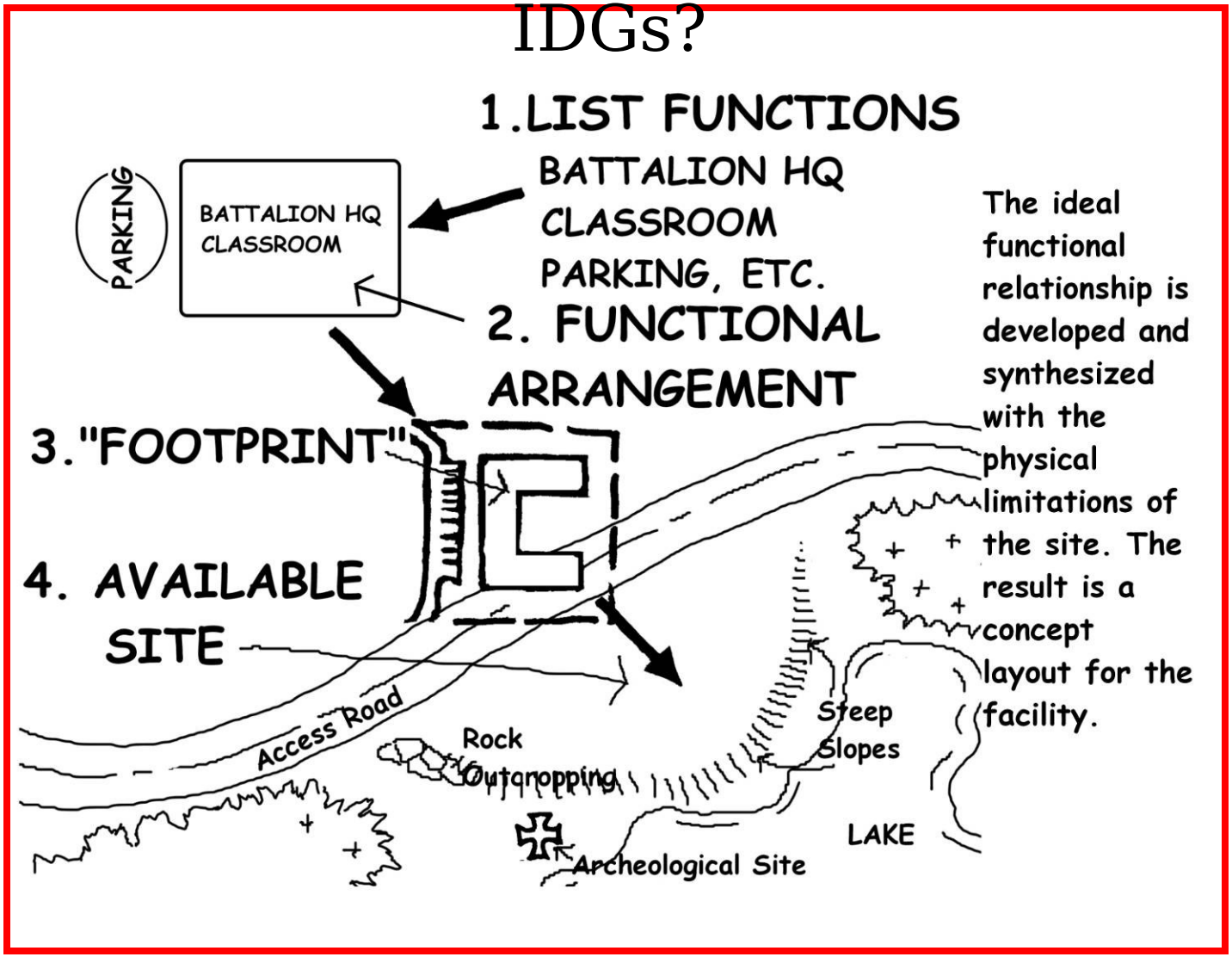
✓ **Projects developed to remove liabilities and enhance assets**

✓ **Garrison commander, RPPB, Prioritize Improvement Projects**
& approval by Region Director

✓ **Focus Funding to implement the IDS Standards in each**

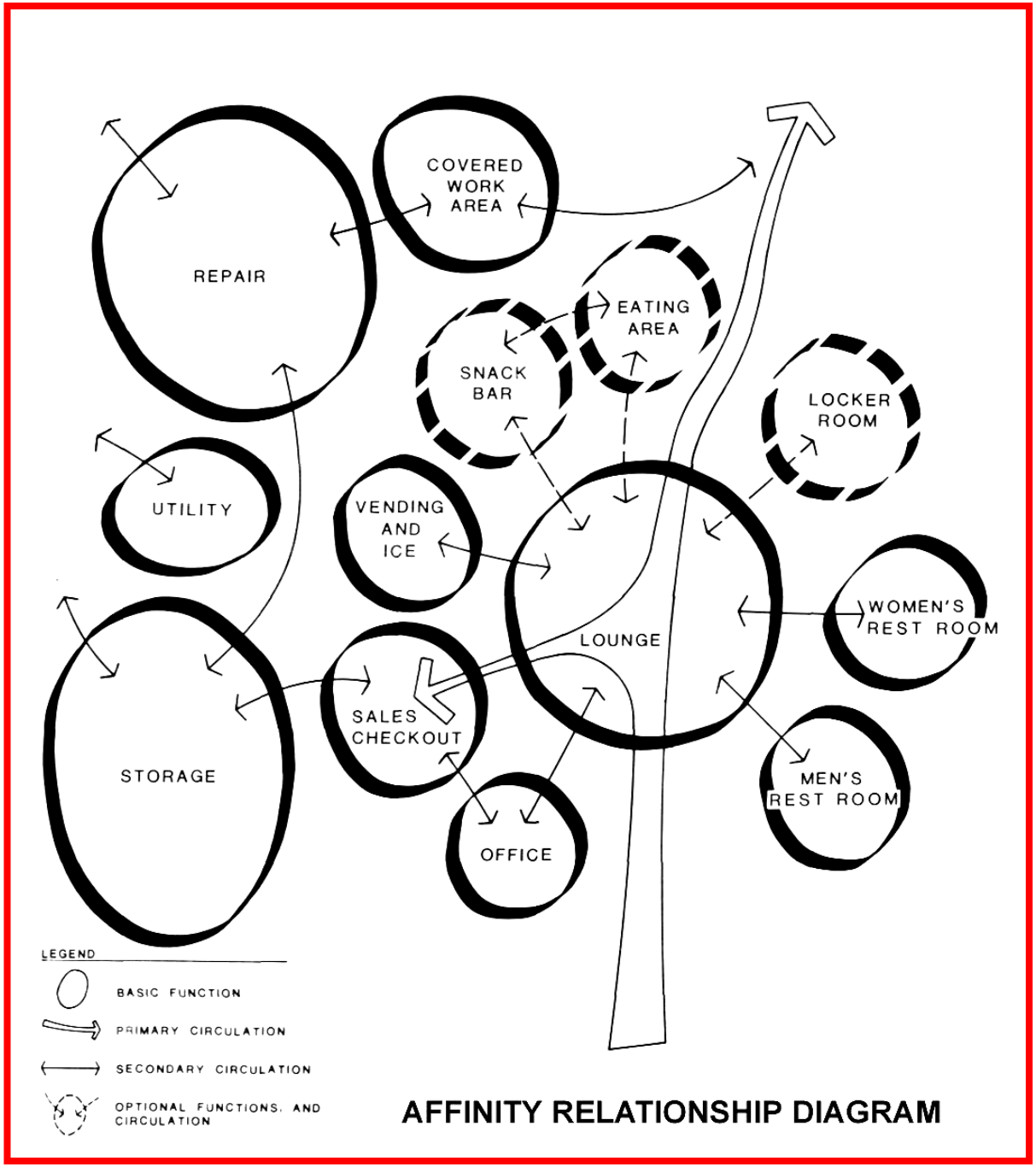
FUNCTIONAL & SITE ANALYSIS

Why We Need IDGs?

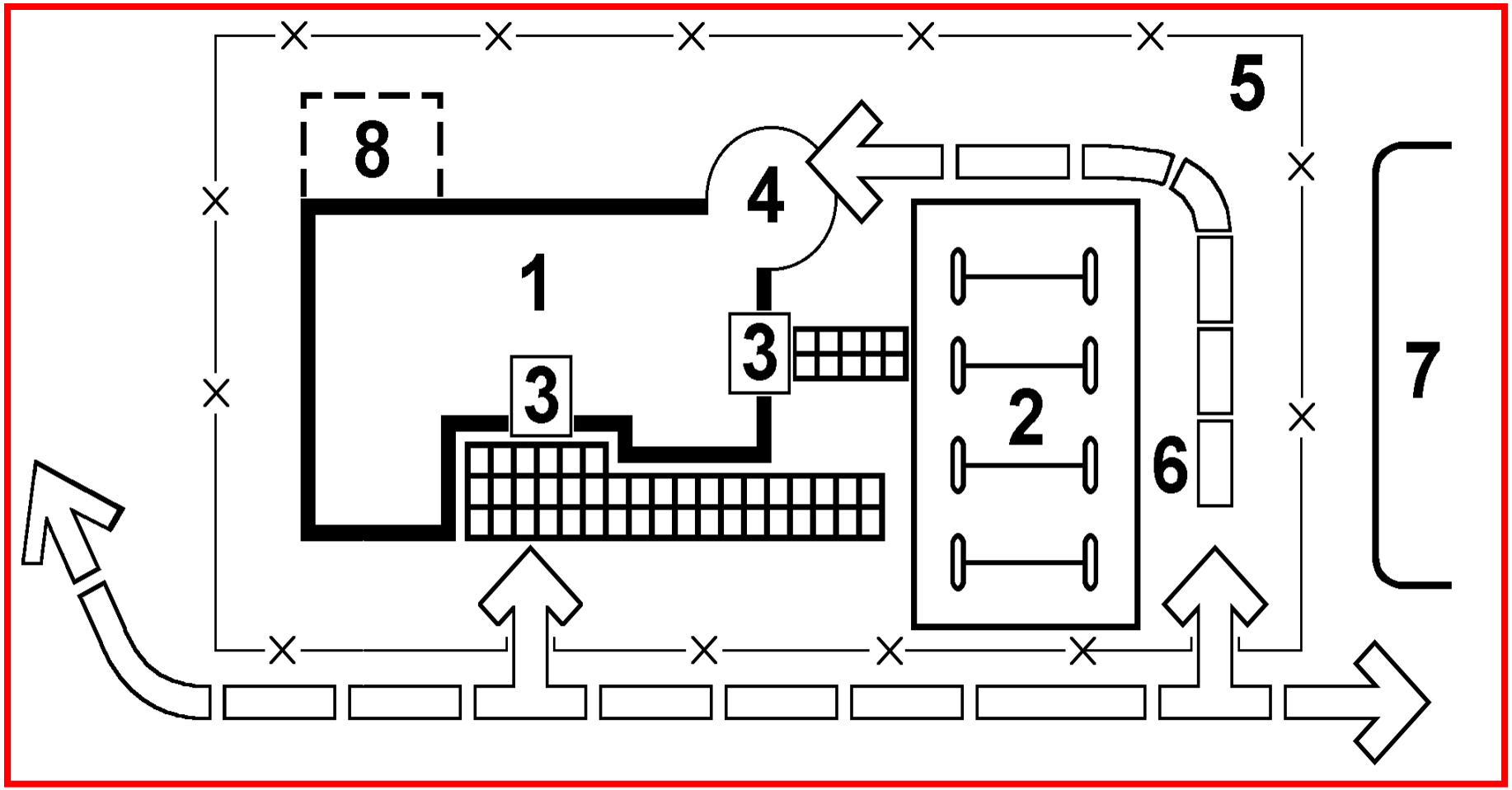


“BUBBLE” DIAGRAM

To aid in developing visual zones that support land use compatibility w/ RPMP

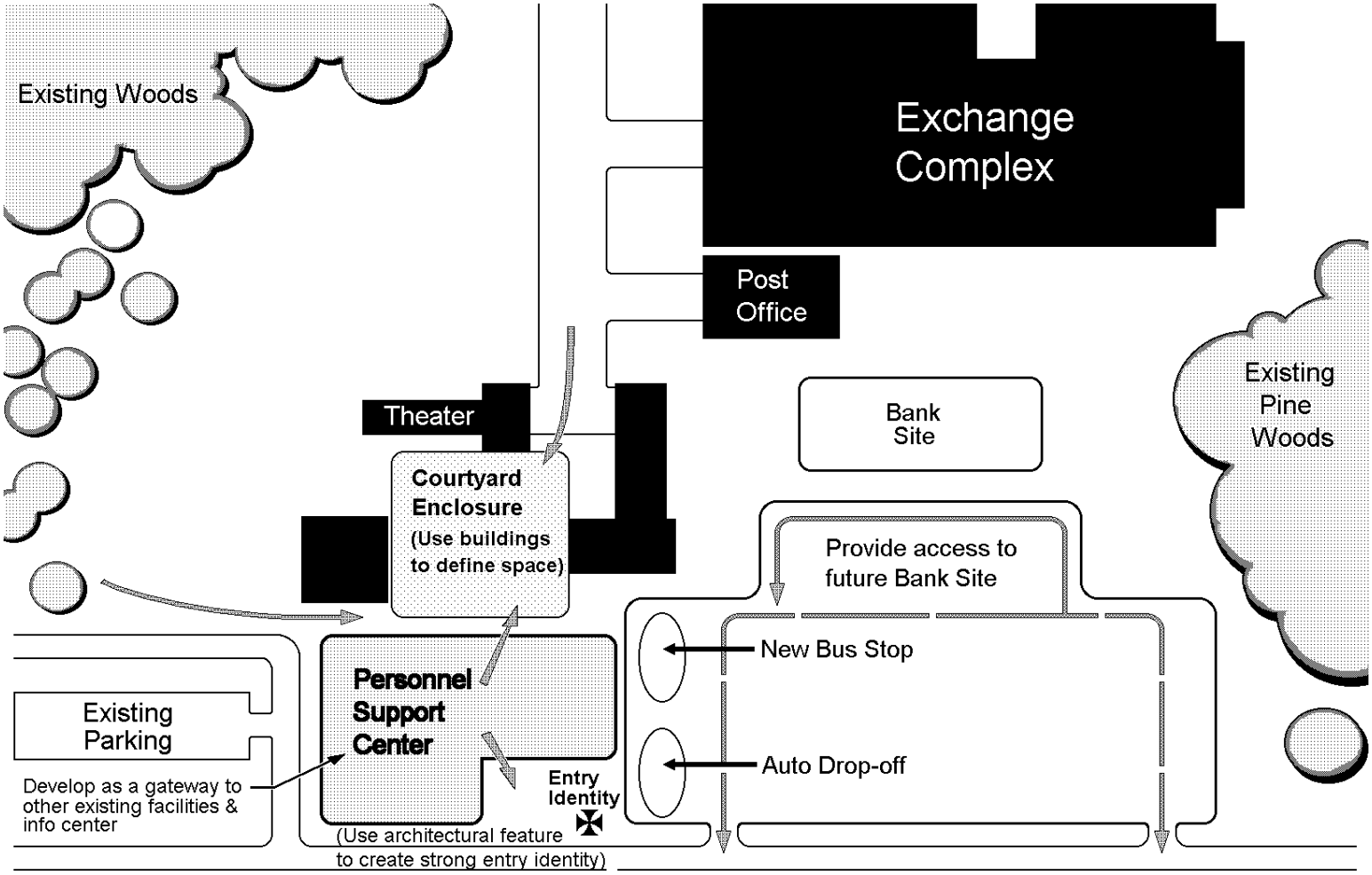


REFINED "BUBBLE" DIAGRAM



LEGEND: 1) New Facility, 2) Parking, 3) Entry, 4) Primary Entry, 5) Fence line, 6) Access Routes, and 7) Adjacent Existing Facility

SCHEMATIC DESIGN



Used to show context of area development

Installation Design Guide (IDG

Each IDG will follow the IDS Army Standards and format by end of FY05 (FY 06)

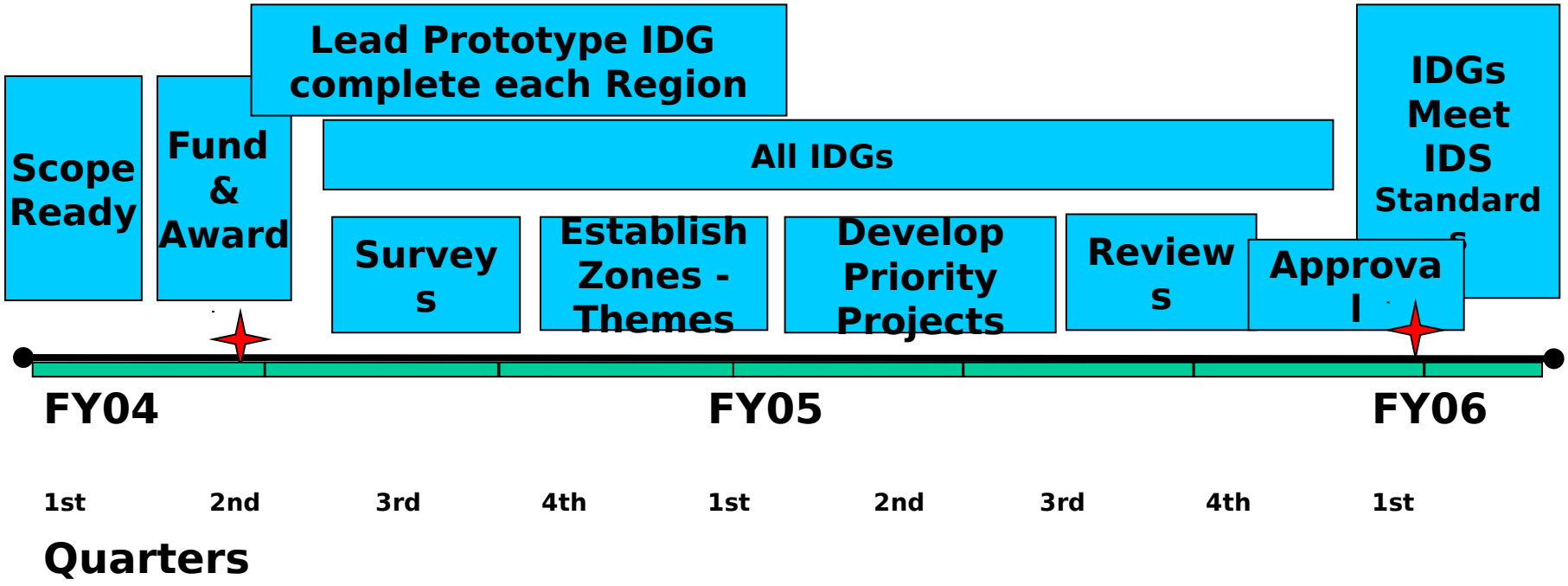
Status

- **IDG Analysis Study Report – 30 September 03**

- **Coordinated Army wide IDG Statement of Work with GSA**

- **Ready for funding by MIPR to GSA from installations / IMA**

Army Installation Design Guide
Timeline and Milestones



IDS Components

Installation Entrance Signs

Access Control Points (ACP)

Landscaping

Antiterrorism/Force Protection (AT/FP)

Curbs, Gutters & Sidewalks

Building Identification

Street Addressing

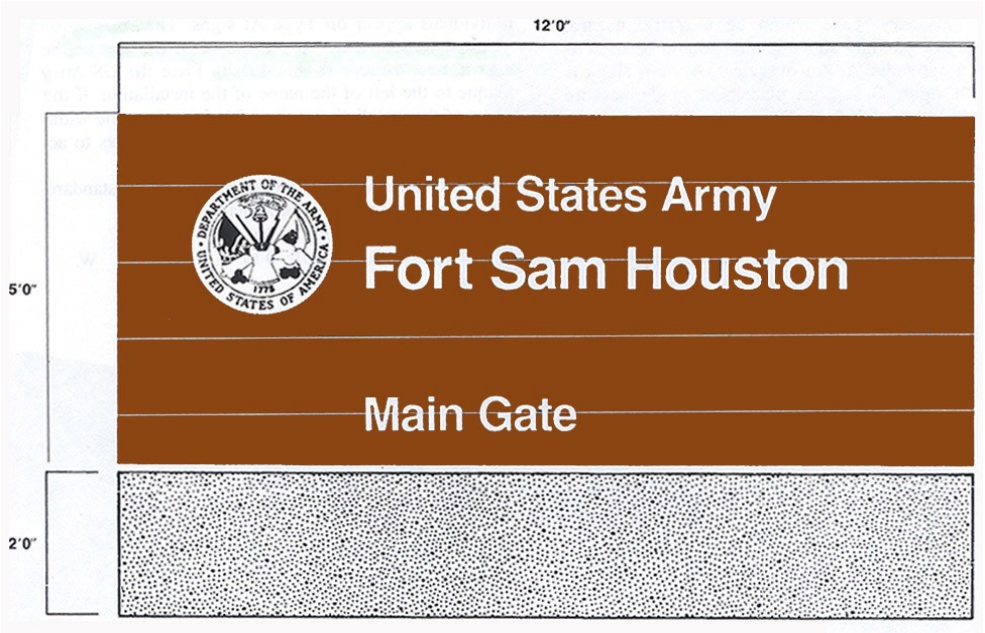
Signage

Exterior Finishes

Troop Running Trails

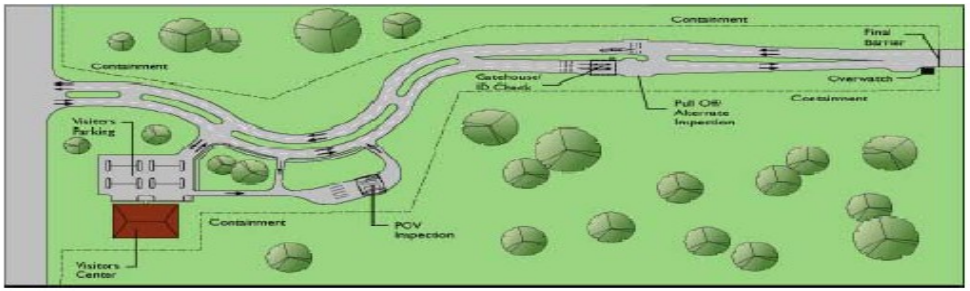
Accessibility Standards (ADA & UFAS)

Installation Entrance Signs

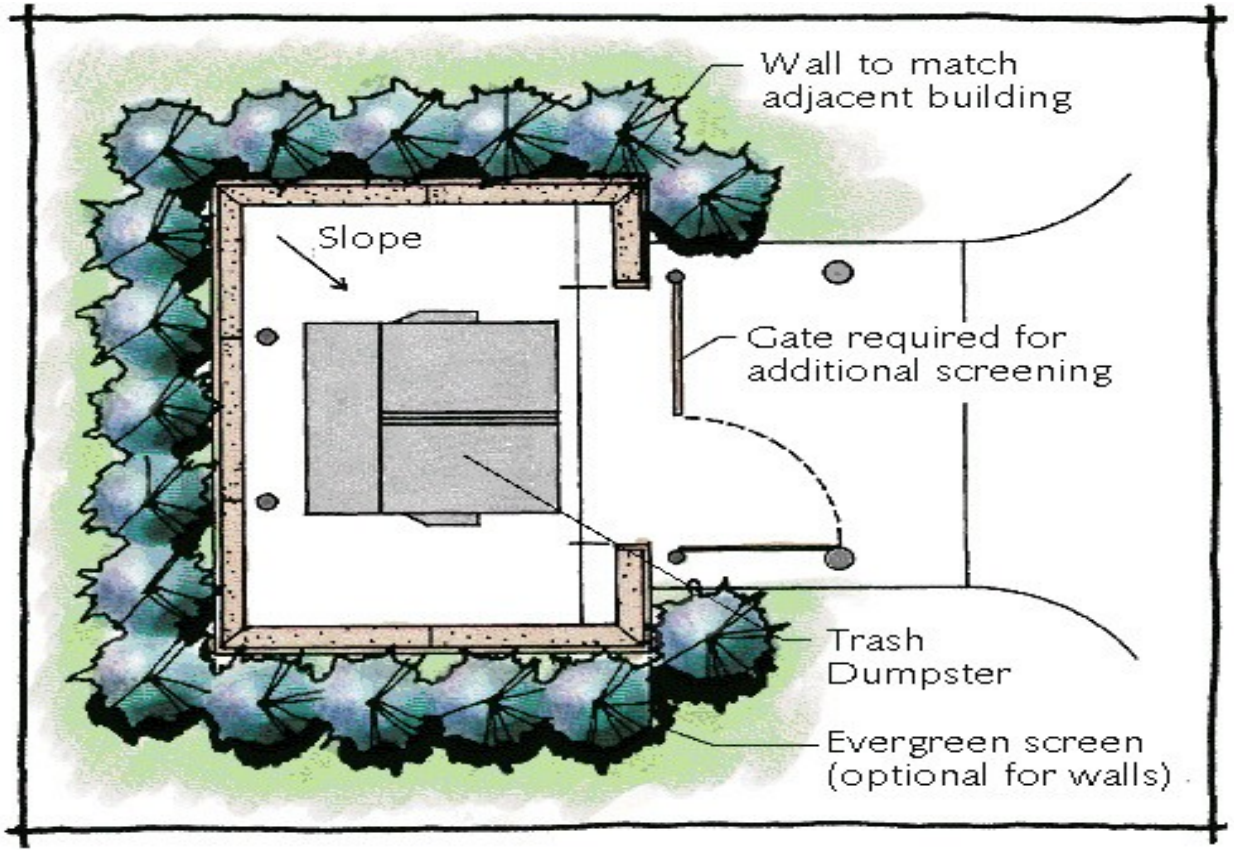


Access Control Points (ACP)

Planning for Access Control Points

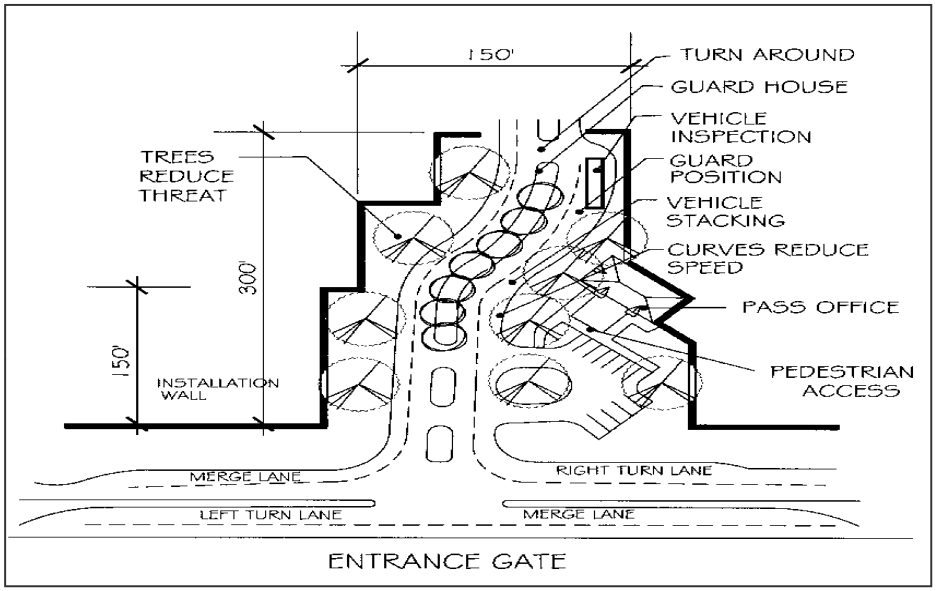


Landscaping

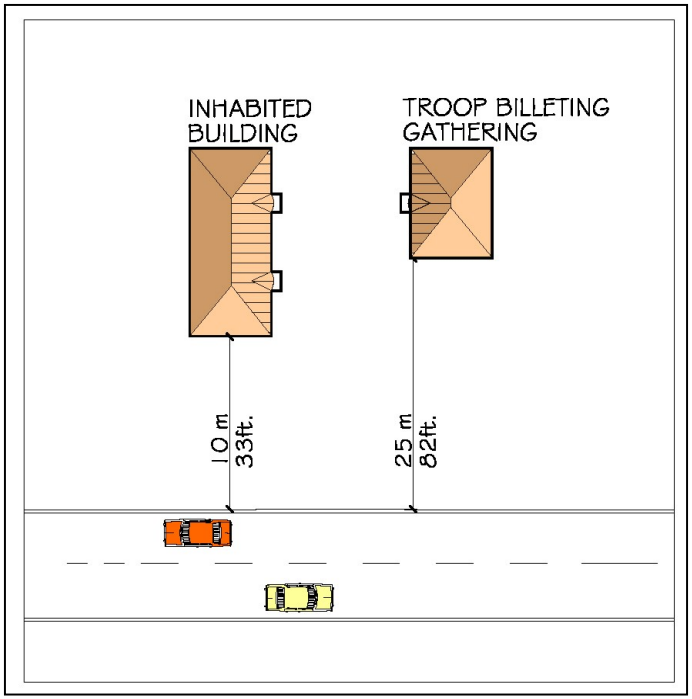


Enclose Dumpsters with Walls, or Fences, or Plantings and Place on Concrete Pad

Antiterrorism/Force Protection (AT/FP)



Landscaping Entrance Gates to Meet AT/FP Requirements



Antiterrorism Force Protection

Curbs, Gutters & Sidewalks

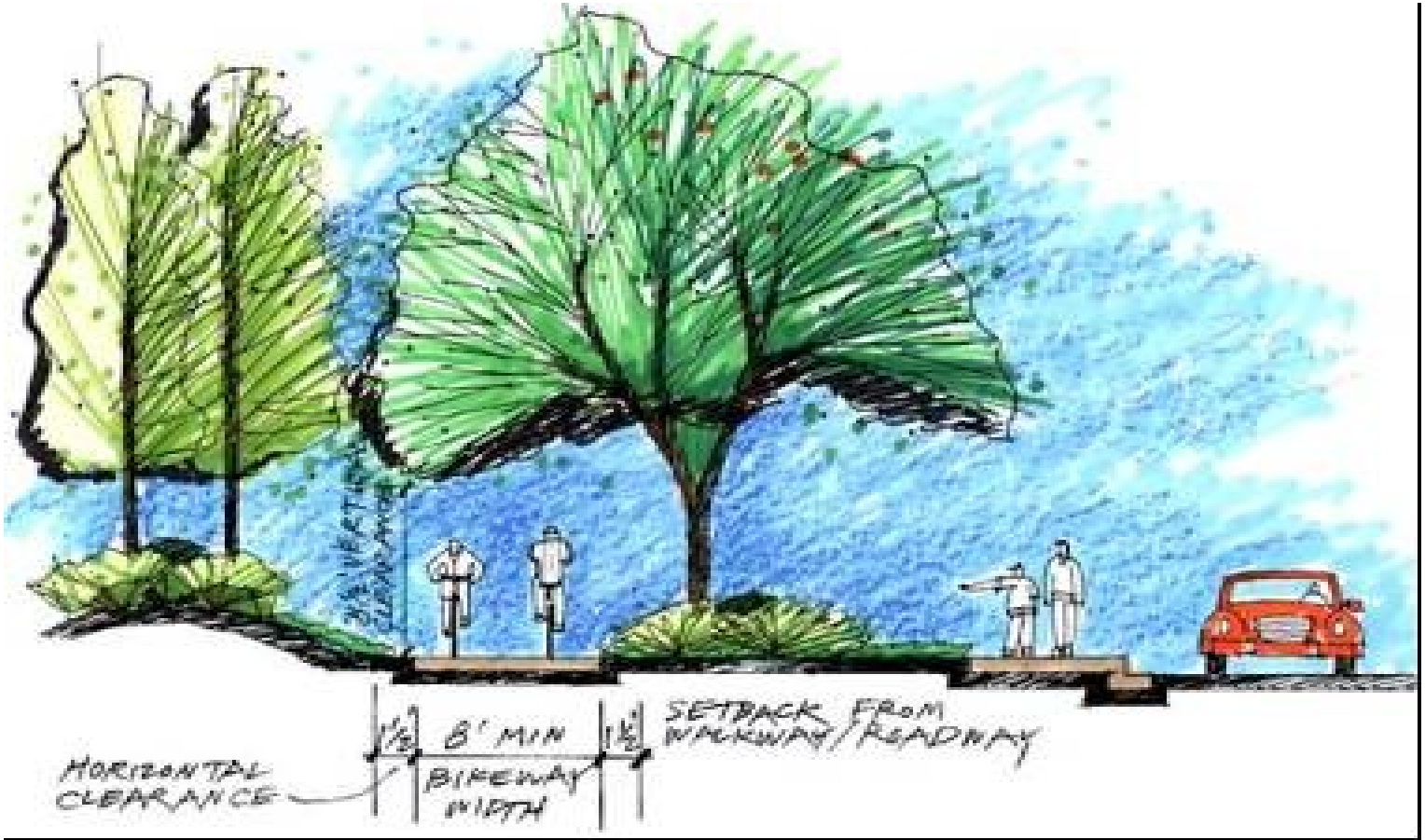


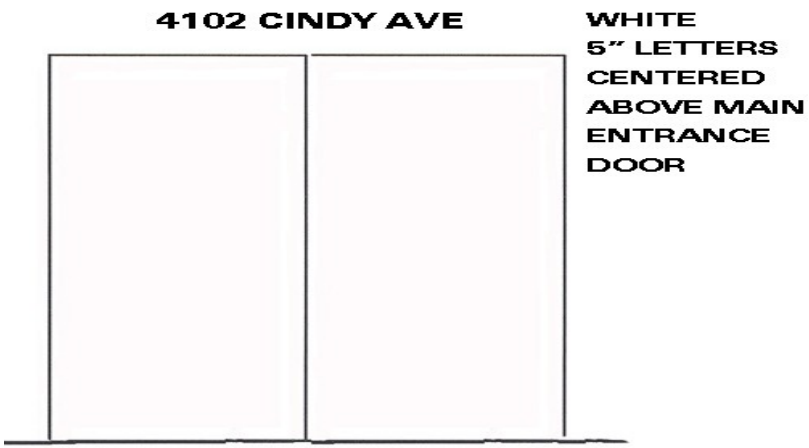
Fig. 9 X - Class I Bikeway

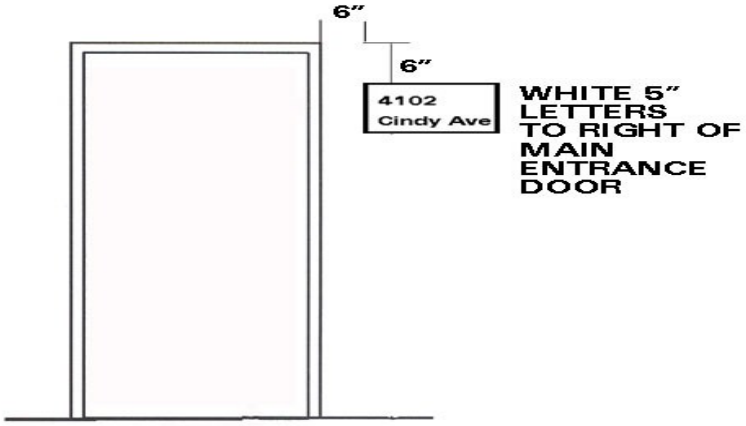
Commander's Guide - Installation Standards

Building Identification

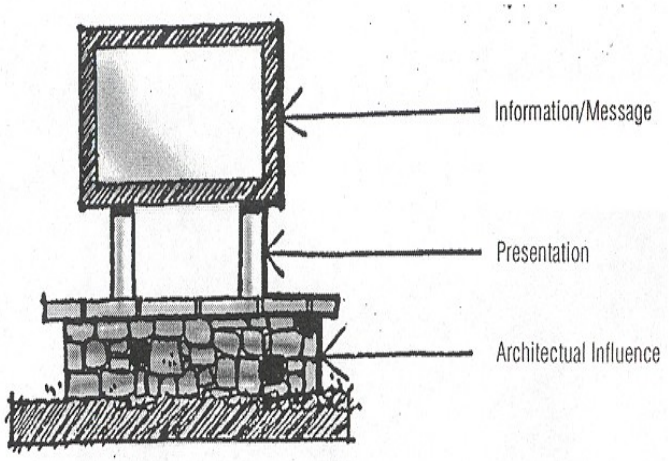
Use Street Addresses On All Building Identification Signs

Street Addressing

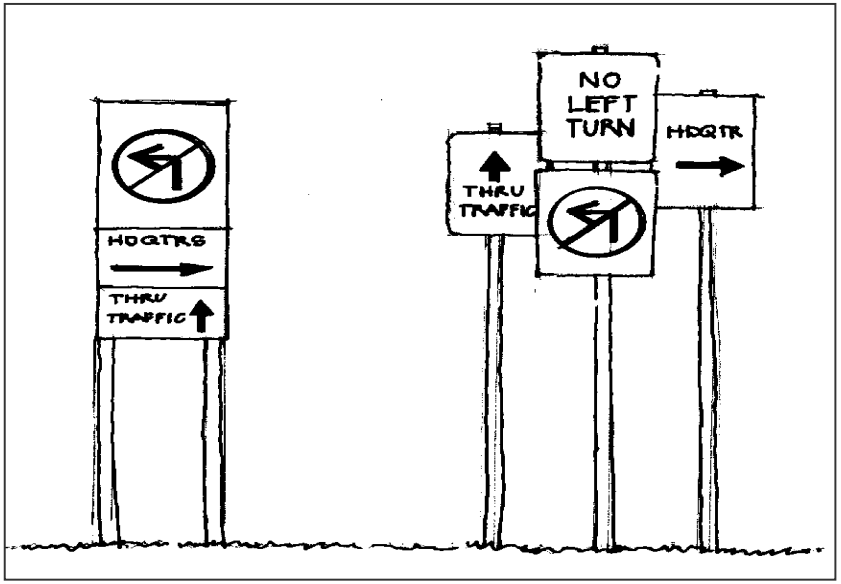




Signage

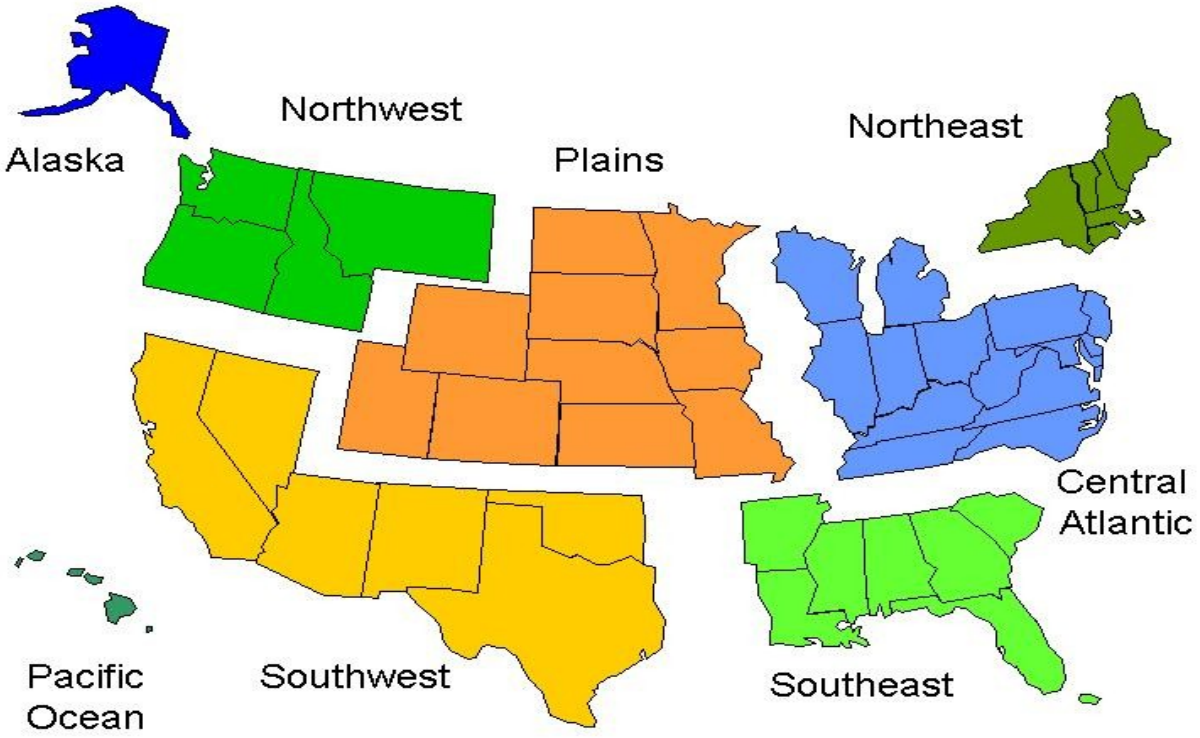


Establish Signing System



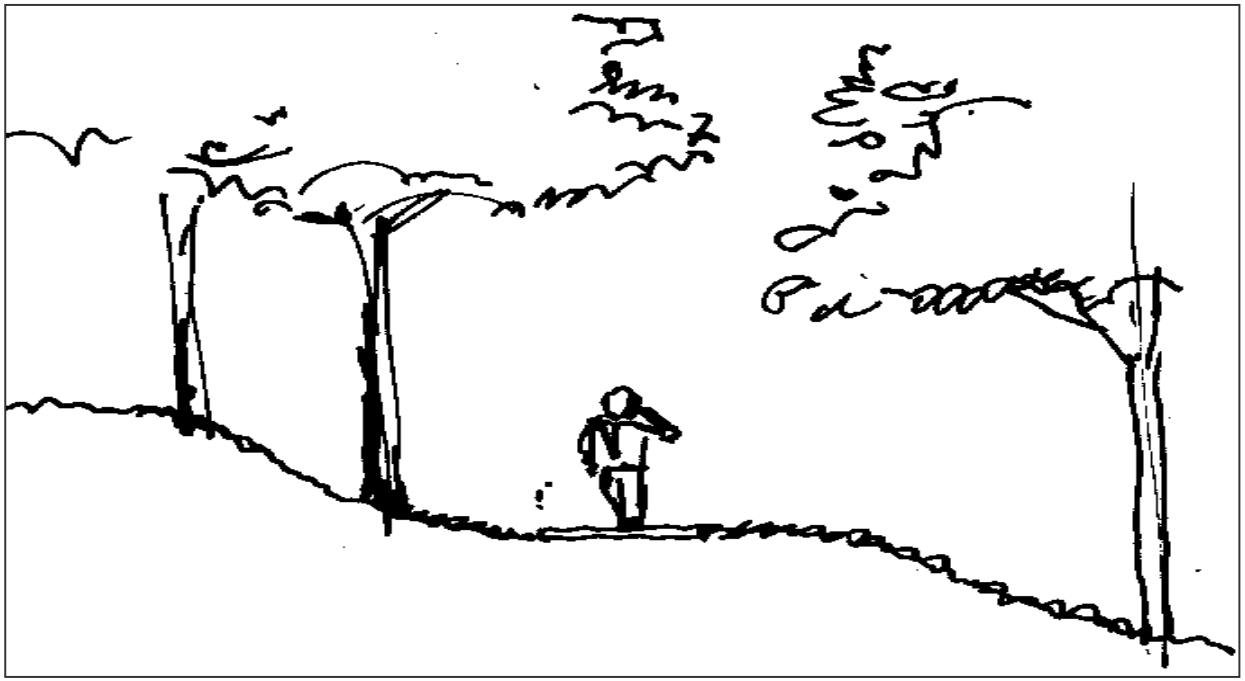
Visual clutter Causes confusion

Exterior Finishes



Geographical Areas for Exterior Colors

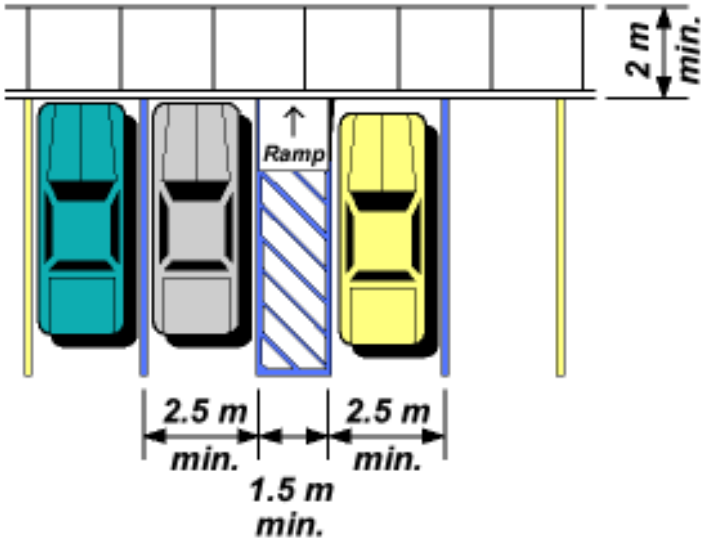
Troop Running Trails

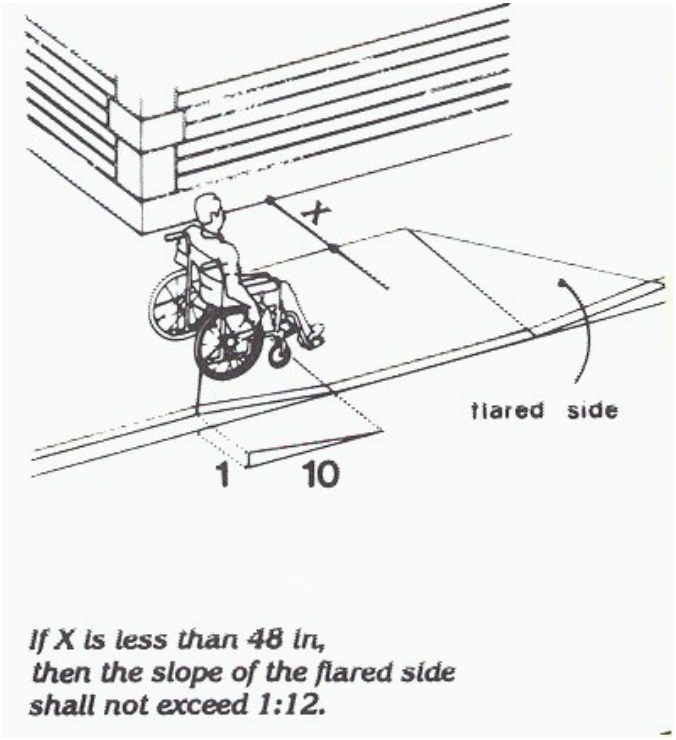


15' Wide Troop Running Trails
For four abreast and cadence caller

Commander's Guide - Installation Standards

Accessibility Standards (ADA & UFAS)





Provide parking, ramps, and curb cuts

Professional Interior Design Required for Habitable Spaces Selection of:

- **Furnishings**
- **Equipment**
- **Finishes**

Ft. Lewis

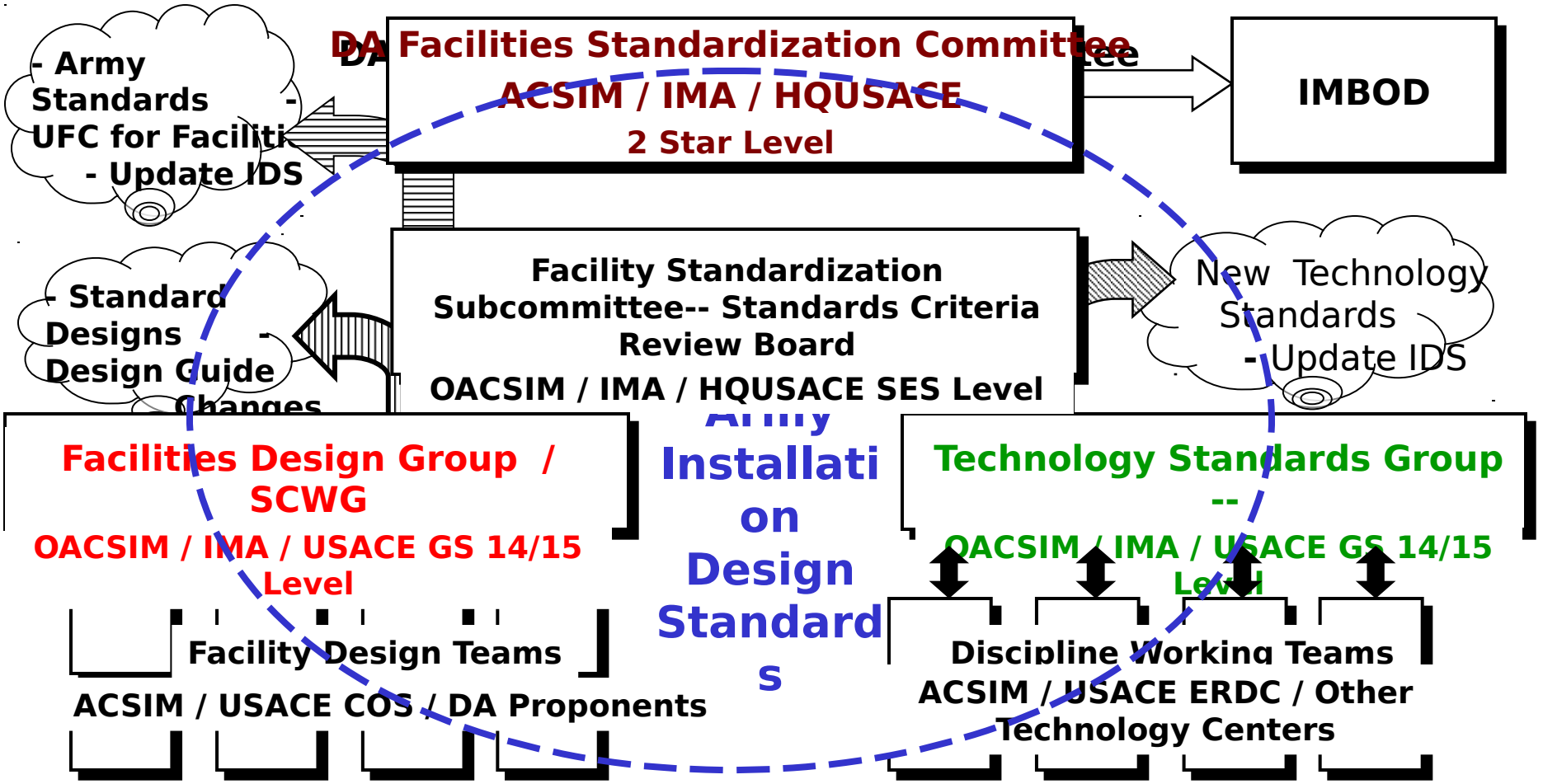
Sustainable Project Rating Tool (SPIRIT) for Both:

- **New Construction**
- **Renovation**

BAMC, Ft. Sam Houston

Interior Design

Approved Facilities & Technology Standardization Process


- Army Standards -
UFC for Faciliti
- Update IDS
DA Facilities Standardization Committee
ACSIM / IMA / HQUSACE
2 Star Level
IMBOD
- Standard Designs -
Design Guide
Changes
Facility Standardization Subcommittee-- Standards Criteria Review Board
OACSIM / IMA / HQUSACE SES Level
New Technology Standards
- Update IDS
Facilities Design Group / SCWG
OACSIM / IMA / USACE GS 14/15 Level
Army Installation Design Standards
Technology Standards Group --
OACSIM / IMA / USACE GS 14/15 Level
Facility Design Teams
ACSIM / USACE COS / DA Proponents
Discipline Working Teams
ACSIM / USACE ERDC / Other Technology Centers

Army Facilities Standardization Committee (AFSC)

MG Lust, ACSIM, Chair

MG Johnson, Director IMA

MG Cheatham , CoE Military Programs

Army Facilities Standardization Committee (AFSCC)

Ms. Jan Menig, DACSIM

Mr. John Nerger, Director Fac. & Housing, ACSIM

MG Johnson, Director, IMA

Mr. Basham, HQUSACE

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Army Installation Design Standards Working Group

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  - **Norman Walters, EURO 06221-579109 DSN 370-8109**
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Army IDS Way Ahead

- **Complete Investment Strategy**

  Lay out resource requirements to meet IDS standards on each installation for implementation and program in the Army budget Program Objective Memorandum (POM) FY2006 – 2011+

- **Development of all installation IDGs to meet IDS in FY04-05**

- **Establish areas of emphasis into the future**

- **IMA field ACSIM approved Implementation Plan and Investment Strategy**

Cost for Implementing IDS Initial Effort by IMA

Task	Estimate $M
Planning – studies	178.5
Site improvements	6,212.0
Building construction & improvements	39,889.0
Circulation improvements	8,653.6
Landscaping	3,764.0
Site elements	3,433.6
Signage & misc	439.7
Force protection	2,283.0

SUMMARY

- Overview
  - Background
- Program Components
  - IDS
  - UFC
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- Examples
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  - AFSC
  - AFSCC
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